

At page 2, please delete the entire table at lines 5-12, and insert in its place the following table:

--/Comparison of Amino Acids of Bovine Myelin to Microorganisms from GenBank and SwissProt Which Have Similar Sequences in Other Proteins.

Source	Amino Acids	Positions	Locations
Bovine myelin	LSRFSWGAE (SEQ. ID. NO: 2)	110-118	
<i>Acinetobacter calcoaceticus</i>	ISRFAWGEV (SEQ. ID. NO: 3)	41-49	4-carboxy-mucolactone decarboxylase
<i>Agrobacter tumefaciens</i>	YTRFTWGAP (SEQ. ID. NO: 4)	693-701	β -glucosidase
<i>Ruminococcus albus</i>	YTQFEISAE (SEQ. ID. NO: 5)	274-282	β -glucosidase

Alphabetic letters refer to biochemical symbols for amino acids.

Please delete the entire paragraph spanning page 2, line 15, to page 3, line 2, and insert in its place the following paragraph:

--/The present invention therefore provides a diagnostic test for spongiform encephalopathy and other demyelinating conditions in mammals which comprises assaying antibodies present in the mammal which bind to an antigenic peptide which exhibits molecular mimicry of a mammalian myelin peptide, especially one having the sequence FSWGAEQK (SEQ. ID. NO: 1). The term "molecular mimicry" refers to a degree of similarity (sequence homology) as between the antigenic peptide and a myelin peptide which results in the formation of antibodies which cross-react with myelin and demyelinate nervous tissue. The presence of such antibodies at elevated levels compared to those found in unaffected animals is therefore a marker for BSE which may be used to detect BSE at an early stage at which curative or other appropriate action may be taken.